Request For Qualifications

BLUEWATER SPRINGS WELL ABANDONMENT & REPLACEMENT

Bluewater Springs Hatchery, near Bridger, Montana

A/E # 2016-35-03: FWP Project No. 7113112

Montana Fish Wildlife & Parks

Design & Construction

1522 9th Avenue

PO Box 200701

Helena, MT 59620-0701

June 30, 2016

Introduction

The State of Montana is seeking to qualify Well Drillers in a General Contractor/Construction Managers (GC/CM) role to bid the Bluewater Springs Well Abandonment & Replacement at the Bluewater Springs Hatchery near Bridger, MT through a Request for Qualifications (RFQ) Process. The State of Montana intends to abandon the existing artesian well and install a replacement well nearby. Since the type of work is highly specialized, the State of Montana (Owner) is qualifying Well Drillers through an RFQ/Request for Proposal (RFP) process to verify bidders have the experience and expertise required to complete a successful abandonment of the existing well and installing a replacement well for maintaining sufficient water supply to the hatchery. The prequalified contractors selected through the RFQ Process will then be sent construction documents as part of the RFP in order to compete for the project based upon price.

The Owner will consider Well Drillers/GC/CMs who meet all of the criteria identified below.

This RFQ shall not commit the Owner to enter into any agreement, to pay any expenses incurred in preparation of any response to this request, or to procure or contract for any supplies, goods or services. The Owner reserves the right to accept or reject any and all responses received as a result of this RFQ if it is in the Owner's best interest to do so.

This Procurement is governed by the laws of the State of Montana and venue for all legal proceedings shall be the First Judicial District, City of Helena, Lewis & Clark County.

By offering to perform services under this Procurement, all Proposers agree to be bound by the laws of the State of Montana, and including, but not limited to, applicable wage rates (See attachment 3), payments, gross receipts taxes, building codes, equal opportunity employment practices, safety, water well drilling, disposal, etc.

The State of Montana makes reasonable accommodations for any known disability that may interfere with an applicant's ability to compete in the bidding and/or selection process. In order for the state to make such accommodations, applicants must make known any needed accommodation to the individual project managers or agency contacts listed in the contract documents. Persons using TDD may call the Montana Relay Service at 1-800-253-4091.

PROJECT BACKGROUND AND DESCRIPTION

In 1997, the State of Montana attempted the construction of an artesian well at the Bluewater Fish Hatchery (hatchery) near Bridger, Montana (Figure 1). The purpose of the well was to augment the existing flows at the hatchery from Bluewater Springs. The flow from the proposed well was intended to improve the water quality and increase the existing flow servicing the fish hatchery.

The well was intended to produce from the Madison Limestone, which is approximately 1,000 feet below ground surface (bgs) in the vicinity of the hatchery. Difficulties encountered during drilling included lost circulation, fault and fracture zones and abnormally high artesian pressure and artesian water flow. During drilling, artesian flow and pressure were encountered much

shallower than expected. Wireline logging data indicated flows were entering the borehole at approximately 280 feet (84 gpm initially) and 407 feet (91 gpm initially). The borehole was ultimately drilled to 535 feet and several attempts were made to install and cement casing. The efforts were unsuccessful, and the decision was made to abandon the well.

As part of abandonment efforts, the 13-3/8 inch casing was cut at 530 feet and removed. Casing was reinstalled to 240 feet and efforts to cement the casing in place were made. The integrity of the cement job between the casing and the borehole was poor, and flow continued in the annular space. Additional abandonment efforts included setting a packer at 385 feet to isolate the two flowing zones. Artesian pressure pushed the packer approximately 20 feet up the borehole. Cementing the packer in place was also unsuccessful. The driller was unable to recover the packer and it remains lodged in the borehole between 240 feet and approximately 260 feet. A downhole video, shot in 2004, showing the broken tooling lodged under the edge of the casing at 240 feet will be available to bidders at the time of the RFP.

Following the unsuccessful efforts to abandon the well, a wellhead was installed and some water was diverted for hatchery operations. Because of the poor integrity of the casing cement job, the valves on the wellhead could not be closed without initiating water flow behind the casing to the surface. Over the last several years, the integrity of the wellhead has been compromised by erosion and possibly electrolysis. The rate of leakage at the wellhead has increased to the point that several hundred gallons per minute (gpm) are leaking at the wellhead and the water from the well can no longer be diverted to the hatchery. Additionally, the total artesian flow of the well has increased over time. Currently, the total artesian flow is estimated to be 1,700 gpm.

It is believed that the flow originates in the Madison and/or the Tensleep formations and reaches the borehole through faults and or fracture sets in the overlying rock. The ongoing flow has continued to dissolve and erode the flowpaths and resulted in the increase in artesian flow with time. A diagram of the current configuration of the existing well is included as Attachment 2.

Extensive fracturing and faulting in the area has resulted in an abnormally high pressure gradient in the shallow bedrock. Lost circulation occurred at 95 feet and a normal fault was encountered at 245 feet, during the drilling of the existing well. Although the existing well cannot be shut-in, the static wellhead pressure is estimated to be approximately 200 psi. This estimate is based on pressures measured during the installation of the well and by extrapolation of static wellhead pressures measured at two other artesian wells in the vicinity.

To successfully abandon the well and build a new one, the Owner has elected to solicit proposals from qualified drilling Contractors and base the selection largely on project approach and cost. This document entitled “Well Abandonment and Replacement, Bluewater Springs Hatchery, Bridger, Montana” is being provided as information to assist prospective Contractors in developing their qualification submittals.

The abandonment of the existing artesian well is necessary because of the rapid erosion of the steel in the wellhead and above-ground manifold. Because the casing is not securely cemented into competent bedrock, the manifold cannot be "shut in" for repair and replacement. Currently, the valves on the wellhead cannot be closed without initiating flow on the exterior of the casing. The existing artesian flow of the well is estimated to approximately 1,700 gpm. If the well is not abandoned, erosion of the wellhead will continue until the integrity of the wellhead is completely compromised, resulting in uncontrolled flow.

Phase 1 Project

The first phase will include the installation of a replacement well. The well will be completed approximately 200 feet into the Madison formation, which is at approximately 1,000 feet bgs at the hatchery. The purpose of the replacement well is twofold:

1) To provide permanent water supply to the Bluewater Hatchery. The well will need to produce a minimum of 600 gpm of artesian flow after completion.
2) To act as a relief well during plugging and abandonment (P&A) activities conducted during Phase 2, described below.

As described above, extensive fracturing and faulting in the area has resulted in an abnormally high pressure gradient and high artesian pressure and flow can be expected at shallow depths. It is expected that conductor casing and multiple strings of cemented casing will be necessary to maintain control of the well during drilling and completion. Additionally, geophysical logs, cement bond logs and drill stem testing may be necessary to ensure the integrity of the well and completion.

The production casing must be installed to the top of the Madison formation and cemented in place. The well will be completed open-hole. The production casing in the replacement well must be sized to achieve a minimum artesian flow of 600 gpm.

A wellhead suitable for the flow and pressure of the well will be installed. Currently, a static pressure of 200 psi is expected. If unexpected pressures are encountered, the wellhead design will need to be adjusted. The wellhead will be designed to fully control the well and shut-in the well. Additionally, design will include an additional valve at the bottom of the wellhead that can be used to shut-in the well in the future, to allow replacement of wellhead components. The wellhead, valves and piping must be designed to be protected from electrolysis. After Phase 2 is completed, the wellhead must be connected to the yard piping and supporting infrastructure to keep the hatchery water supply operable at all times.

During drilling and P&A activities (Phase 2), the contractor will have sufficient quantities of barite, lost circulation materials, thixotropic cement and Class G cement on-site to successfully complete the project.

Phase 2 Project

Prior to plugging and abandoning the existing well, a water treatment system will be designed and constructed. There is approximately 600 linear feet of concrete raceway, with a capacity of approximately 27,000 cubic feet of capacity, at the hatchery that can be used as part of the treatment system. The water must meet the conditions of the hatchery's MPDES discharge permit prior to discharge from the water treatment system. Filter fabric, sand filters or other appropriate technologies may be used to treat the water prior to discharge.

Alternative to a water treatment system, a neighboring property may be willing to allow land application of the water. The neighboring property is approximately one-half mile from the hatchery. It is acceptable for the selected contractor to evaluate using water trucks and land application of the water as an alternative to treatment and discharge.

The Contractor must also construct and install a system to collect artesian flow and fluid from the wellbore, including cement returns, during plugging activities. As described above, several hundred gpm is currently leaking from the wellhead, in addition to the artesian flow that is being directed through piping and into Bluewater Creek. When P&A activities cause the turbidity of the wellbore fluids to increase, the collection system must be activated and the flows directed into the concrete raceways for treatment or land application.

Once the water collection and treatment system is in place, the existing well will be plugged and abandoned. As described above, the existing well is currently flowing at approximately 1,700 gpm and has a static wellhead pressure of approximately 200 psi. It is believed that the installation of the replacement well may reduce the flow and pressure at the existing well. A submersible pump may be installed in the replacement well during P&A activities to further reduce flow and pressure.

Prior to plugging, the packer that is lodged in the wellbore between 240 and 260 feet will need to be fished or drilled out to provide access to the bottom of the wellbore. The packer will likely have to be straightened in the wellbore with a muleshoe, or similar tool, prior to drilling out. Pushing the packer to the bottom of the borehole prior to cementing activities is also acceptable.

Once access to the bottom of the wellbore is secured, a retainer will be set at the bottom of the existing casing, with a tailpipe extending to near the bottom of the wellbore. Initially, thixotropic cement will be pumped to overcome the static pressure and seal the flowing zones. The volume of thixotropic cement that will be necessary is unknown, and it may be necessary to incorporate lost circulation materials in the cement during this phase of cementing. Once the well is controlled, Class G Cement will be used to seal the wellbore.

After the well has been abandoned, the wellhead and all surface equipment will be removed from the site and properly disposed of. Additionally, the site will be cleaned up and all equipment removed. The water treatment system and all solids will be removed from the site and the raceways will be cleaned. If grading, mud pits and/or trenching are used, all areas will be

returned to original grade. The contractor will remove and properly dispose of all drilling fluids, cuttings, debris, and other material.

For the Design, the State of Montana has selected:

Tasman Geosciences
James Sullivan
917 1st Avenue North, Suite 3
Billings MT 59101
Phone: (406) 259-1033
Email: jsullivan@tasman-geo.com

The following is a timeline for the project:

RFQ Advertising Date:	July 7, 14, 21, 2016
RFQ Well Site Walk-Through:	July 15, 2016, 11:00 AM
Receipt of Qualifications:	August 3, 2016 5:00 PM
Review and Finalize List of Qualified Contractors:	August 10, 2016.
RFP/ Construction Documents issued:	August 31, 2016.
Receipt of Proposals:	September 23, 2016.
Project Award:	September 30, 2016.
Signed Construction Contract:	October 14, 2016.
Project Completion:	December 31, 2016.

STATEMENT OF QUALIFICTIONS

The Owner will consider Well Drillers and/or General Contractors who meet all of the criteria identified below to be a qualified Well Driller.

Proposers must meet these minimum Qualification Conditions in order to be eligible to receive the RFP/Construction Documents and compete for the project. The Owner has identified the following pass/fail Qualification Conditions that each proposer shall address:

1. Must provide a description of the project team. Identify the prime contractor and any general contractor/engineering team members. Identify the project manager(s).
2. Must provide a detailed project approach for the type of effort described in Phase 1 and 2 above. Please provide a construction schedule for all items of work listed in Phases 1 and 2.
3. Must provide documentation of the type of equipment and materials proposed for use on this project as well as an explanation as to why this combination of equipment and materials are considered to be the best for successful job completion.
4. Shall provide documentation or proof of completing at least three successful projects working with drilling equipment at high pressures, artesian flows and depths similar

to this project. Projects need not be local to Montana, limited to water supply or of minimum size.

5. Include letters of reference from the Facility Manager or Design Engineer of the three referenced projects including the Facility Manager/Design Engineer contact and location information.
6. Shall provide an overview of their project management expertise and methods to be used to properly manage the project and sub-contractors to insure the project meets the schedule, minimizes duration of disruption to the users, and maintains a clean and organized construction area.
    a. Provide Driller, General Contractor, General Contractor or General Contractor/Engineering Teams with experience working in well installation;
    b. Project Manager experience coordinating and managing work in well installation; and,
    c. Provide Project Superintendent experience coordinating and managing work in well installations.
7. Bonding: Must provide documentation that meets all criteria for 10% Bid Bond at the RFP (Bidding) stage of the process and 100% Payment and Performance Bonds at the construction contracting stage. Estimated construction amount is $360,000. Proof of bid, payment, and performance bonding shall be by letter or binder from a Surety licensed in Montana.
    a. Provide name, phone, and email contact information for Surety agent; and,
    b. Length of time this Surety has been used for bonding.
8. Safety: Provide incidence rate, experience modification rate, and loss ratio. An EMR greater than 1.0 or a loss ratio of more than 100% may result in immediate disqualification at the discretion of the Owner.

RFQ PROCESS

The State of Montana is seeking to qualify Well Drillers as General Contractors to bid the Bluewater Well Abandonment and Replacement Project at the Bluewater Springs Hatchery near Bridger, MT through an RFQ Process per 18-2, Part 5 MCA. The Owner is prequalifying Well Drillers through an RFQ/RFP process to verify potential bidders have the experience and expertise required to complete a successful project in an occupied hatchery with a reasonable work schedule. The prequalified firms selected through the RFQ Process will then be sent construction documents as part of the RFP in order to compete for the project based upon price and methodology.

The RFQ Submittal shall address all eight items in the Statement of Qualifications. Each of the eight items will be graded on a Pass/Fail Evaluation. The submittal must receive a pass on each of the eight items in order to be determined as Qualified to submit on the RFP.

The RFP will consist of construction bid documents. Each of the Qualified Drillers, Contractors, and GC's will be given a set of construction documents and asked to bid the project. It is the Owner's intent that the qualified bidder submitting the lowest responsible and responsive cost will then be awarded the construction project.

SUBMITTAL OF INFORMATION

Five (5) copies of the written response to this RFQ must be received at:

Architecture & Engineering Division
(Room 33, Metcalf Building, Capitol Complex)
Department of Administration
PO Box 200103
Helena, MT 59620-0103
By August 3, 2016; 5:00 p.m.

ALL QUESTIONS AND CONTACTS REGARDING THIS RFQ MUST BE SUBMITTED IN WRITING (email is acceptable) TO:

Tom Mannatt, Project Manager
TMannatt@mt.gov
Montana Fish, Wildlife & Parks
Design & Construction
1522 9th Avenue
PO Box 200701
Helena, MT 59620-701

INSTRUCTION TO PROPOSERS

The Statement of Qualifications must:

1. Follow the format outlined in the Selection Procedure above.
2. Be signed by an officer or principal of your firm.
3. Be contained in a document not to exceed 15 pages total (single or double-sided pages) including whatever pictures, charts, graphs, tables, and text the firm deems appropriate to be part of the review of the firm's qualifications. A separate transmittal letter is exempted from the page limit. Page size is limited to 8-1/2x11 inches, with basic text size no smaller than 12-point type.
4. Schedules may be submitted in addition to the page limit.
5. Document can be found on line at the following address: http://fwp.mt.gov/doingBusiness/designAndConstruction/forContractors/rfq.html

ATTACHMENTS

The following exhibits are incorporated in this RFQ;

Attachment 1: Figure 1 - Site Vicinity Map
Attachment 2: Existing Bluewater Well Conditions
Attachment 3: Montana Prevailing Wage Rates for Heavy Construction; effective January 2016.

THE PRE-QUALIFICATION TEAM

The A&E Division is providing administration of the selection process for this project and will work in close collaboration with Fish, Wildlife & Parks. Fish, Wildlife & Parks will be responsible for preparing all contracts, project management, etc., throughout the course of the project.

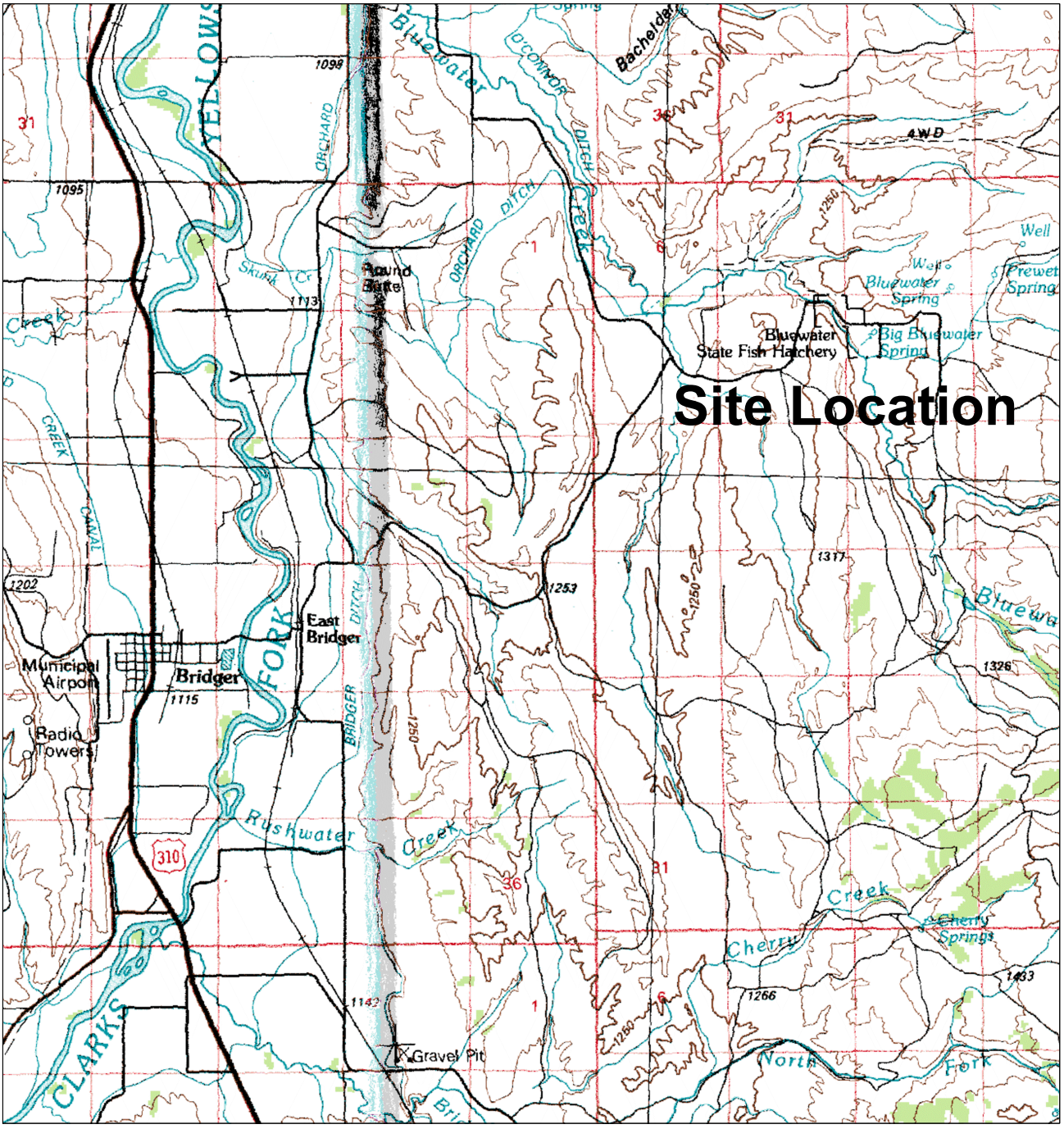
The Pre-Qualification Selection Team shall consist of the following:

Person	Representing/Responsibility	Selection Process Role
Russ Katherman	A&E Division	Scoring Member
Eileen Ryce	Fisheries, Hatchery Section Chief	Scoring Member
Paul Valle	Design & Construction	Scoring Member
Tom Mannatt	Design & Construction	Scoring Member
James Sullivan	Tasman Geosciences	Scoring Member

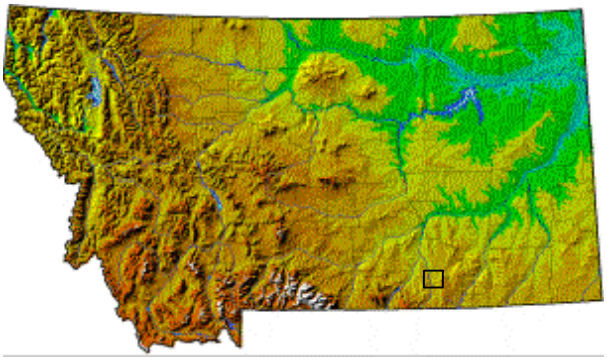
Attachment 1

Figure 1

Site Vicinity Map



REF: USGS 1:100,000 SERIES (TOPOGRAPHIC)



N

1000 0 2000

1"=2000'

SITE VICINITY MAP
BLUE WATER FISH HATCHERY
MONTANA FISH WILDLIFE & PARKS

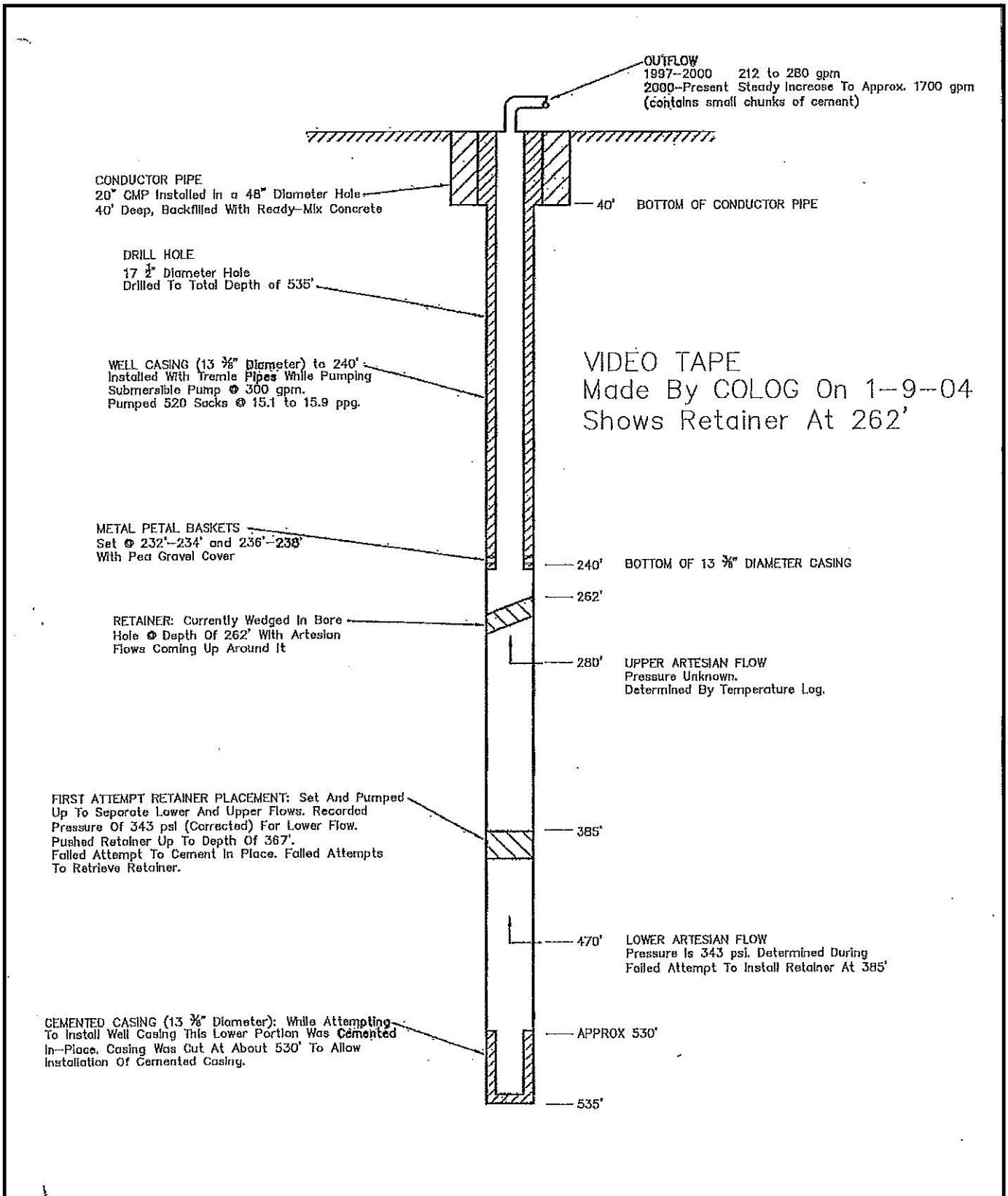
BRIDGER, MONTANA

PROJECT NUMBER:		DATE: 06/20/2016	FIGURE 1
APPROVED BY:	JS	DRAWN BY: JB	

TASMAN GEOSCIENCES
917 1st Avenue North
Billings, Montana 59101-2048
Ph: (406) 259-1033

\\mt-file\Shared\Projects\FWP\Bluewater\CADD\Location.dwg

Attachment 2
Existing Bluewater Well Conditions



June 2006 DATE PROJECT NO. well.dwg FILE NO.	SHEET TITLE **EXISTING BLUEWATER WELL CONDITIONS**	PROJECT TITLE **BLUEWATER TROUT HATCHERY**	INFORMATION PROVIDED BY GREG STAFFILENO, S.K. GEOTECHNICAL AND GARY SHAVER, MONTANA FISH, WILDLIFE AND PARKS

Attachment 3

Montana Prevailing Wage Rates

Heavy Construction

January 2016

MONTANA
PREVAILING WAGE RATES FOR HEAVY CONSTRUCTION SERVICES 2016

Effective: January 2, 2016

Steve Bullock, Governor
State of Montana

Pam Bucy, Commissioner
Department of Labor and Industry

To obtain copies of prevailing wage rate schedules, or for information relating to public works projects and payment of prevailing wage rates, visit ERD at **www.mtwagehourbopa.com** or contact:

Employment Relations Division
Montana Department of Labor and Industry
P. O. Box 201503
Helena, MT 59620-1503
Phone 406-444-5600
TDD 406-444-5549

The Labor Standards Bureau welcomes questions, comments and suggestions from the public. In addition, we'll do our best to provide information in an accessible format, upon request, in compliance with the Americans with Disabilities Act.

MONTANA PREVAILING WAGE REQUIREMENTS

The Commissioner of the Department of Labor and Industry, in accordance with Sections 18-2-401 and 18-2-402 of the Montana Code Annotated (MCA), has determined the standard prevailing rate of wages for the occupations listed in this publication.

The wages specified herein control the prevailing rate of wages for the purposes of Section 18-2-401, et seq., MCA. It is required that each employer pay (as a minimum) the rate of wages, including fringe benefits, travel allowance, zone pay and per diem applicable to the district in which the work is being performed as provided in the attached wage determinations.

All Montana Prevailing Wage Rates are available on the internet at **www.mtwagehourbopa.com** or by contacting the Labor Standards Bureau at (406) 444-5600 or TDD (406) 444-5549.

In addition, this publication provides general information concerning compliance with Montana's Prevailing Wage Law and the payment of prevailing wages. For detailed compliance information relating to public works contracts and payment of prevailing wage rates, please consult the regulations on the internet at **www.mtwagehourbopa.com** or contact the Labor Standards Bureau at (406) 444-5600 or TDD (406) 444-5549.

PAM BUCY
Commissioner
Department of Labor and Industry
State of Montana

TABLE OF CONTENTS

MONTANA PREVAILING WAGE REQUIREMENTS:

WAGE RATES:

A. Date of Publication January, 2 2016

B. Definition of Heavy Construction
The Administrative Rules of Montana (ARM), 24.17.501(4) – (4)(a), states *"Heavy construction projects include, but are not limited to, those projects that are not properly classified as either 'building construction', or 'highway construction.'*

Heavy construction projects include, but are not limited to, antenna towers, bridges (major bridges designed for commercial navigation), breakwaters, caissons (other than building or highway), canals, channels, channel cut-offs, chemical complexes or facilities (other than buildings), cofferdams, coke ovens, dams, demolition (not incidental to construction), dikes, docks, drainage projects, dredging projects, electrification projects (outdoor), fish hatcheries, flood control projects, industrial incinerators (other than building), irrigation projects, jetties, kilns, land drainage (not incidental to other construction), land leveling (not incidental to other construction), land reclamation, levees, locks and waterways, oil refineries (other than buildings), pipe lines, ponds, pumping stations (prefabricated drop-in units – not buildings), railroad construction, reservoirs, revetments, sewage collection and disposal lines, sewers (sanitary, storm, etc.), shoreline maintenance, ski tows, storage tanks, swimming pools (outdoor), subways (other than buildings), tipples, tunnels, unsheltered piers and wharves, viaducts (other than highway), water mains, waterway construction, water supply lines (not incidental to building), water and sewage treatment plants (other than buildings) and wells."

C. Definition of Public Works Contract
Section 18-2-401(11)(a), MCA defines "public works contract" as *"…a contract for construction services let by the state, county, municipality, school district, or political subdivision or for nonconstruction services let by the state, county, municipality, or political subdivision in which the total cost of the contract is in excess of $25,000..."*.

D. Prevailing Wage Schedule
This publication covers only Heavy Construction occupations and rates in the specific localities mentioned herein. These rates will remain in effect until superseded by a more current publication. Current prevailing wage rate schedules for Building Construction, Highway Construction and Nonconstruction Services occupations can be found on the internet at **www.mtwagehourbopa.com** or by contacting the Labor Standards Bureau at (406) 444-5600 or TDD (406) 444-5549.

E. Rates to Use for Projects
ARM, 24.17.127(1)(c), states *"The wage rates applicable to a particular public works project are those in effect at the time the bid specifications are advertised."*

F. Wage Rate Adjustments for Multiyear Contracts
Section 18-2-417, MCA states:

"(1) Any public works contract that by the terms of the original contract calls for more than 30 months to fully perform must include a provision to adjust, as provided in subsection (2), the standard prevailing rate of wages to be paid to the workers performing the contract.

(2) The standard prevailing rate of wages paid to workers under a contract subject to this section must be adjusted 12 months after the date of the award of the public works contract. The amount of the adjustment must be a 3% increase. The adjustment must be made and applied every 12 months for the term of the contract.

(3) Any increase in the standard rate of prevailing wages for workers under this section is the sole responsibility of the contractor and any subcontractors and not the contracting agency."

G. Fringe Benefits
Section 18-2-412, MCA states:

"(1) To fulfill the obligation...a contractor or subcontractor may:

(a) pay the amount of fringe benefits and the basic hourly rate of pay that is part of the standard prevailing rate of wages directly to the worker or employee in cash;

(b) make an irrevocable contribution to a trustee or a third person pursuant to a fringe benefit fund, plan, or program that meets the requirements of the Employee Retirement Income Security Act of 1974 or that is a bona fide program approved by the U. S. department of labor; or

(c) make payments using any combination of methods set forth in subsections (1)(a) and (1)(b) so that the aggregate of payments and contributions is not less than the standard prevailing rate of wages, including fringe benefits and travel allowances, applicable to the district for the particular type of work being performed.

(2) The fringe benefit fund, plan, or program described in subsection (1)(b) must provide benefits to workers or employees for health care, pensions on retirement or death, life insurance, disability and sickness insurance, or bona fide programs that meet the requirements of the Employee Retirement Income Security Act of 1974 or that are approved by the U. S. department of labor."

Fringe benefits are paid for all hours worked (straight time and overtime hours). However, fringe benefits are not to be considered a part of the hourly rate of pay for calculating overtime, unless there is a collectively bargained agreement in effect that specifies otherwise.

H. Dispatch City
ARM, 24.17.103(11), defines dispatch city as *"...the courthouse in the city from the following list which is closest to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, and Missoula."*

I. Zone Pay
Zone pay is not travel pay. ARM, 24.17.103(24), defines zone pay as *"...an amount added to the base pay; the combined sum then becomes the new base wage rate to be paid for all hours worked on the project. Zone pay must be determined by measuring the road miles one way over the shortest practical maintained route from the dispatch city to the center of the job."* See section H above for a list of dispatch cities.

J. Computing Travel Benefits
ARM, 24.17.103(22), states "'*Travel pay,' also referred to as 'travel allowance,' is and must be paid for travel both to and from the job site, except those with special provisions listed under the classification. The rate is determined by measuring the road miles one direction over the shortest practical maintained route from the dispatch city or the employee's home, whichever is closer, to the center of the job."* See section H above for a list of dispatch cities.

K. Per Diem
ARM, 24.17.103(18), states *"'Per diem' typically covers costs associated with board and lodging expenses. Per diem is paid when an employee is required to work at a location outside the daily commuting distance and is required to stay at that location overnight or longer."*

L. Apprentices
Wage rates for apprentices registered in approved federal or state apprenticeship programs are contained in those programs. Additionally, Section 18-2-416(2), MCA states, *"...The full amount of any applicable fringe benefits must be paid to the apprentice while the apprentice is working on the public works contract."* Apprentices not registered in approved federal or state apprenticeship programs will be paid the appropriate journey level prevailing wage rate when working on a public works contract.

M. Posting Notice of Prevailing Wages
Section 18-2-406, MCA, provides that contractors, subcontractors, and employers who are *"...performing work or providing construction services under public works contracts, as provided in this part, shall post in a prominent and accessible site on the project or staging area, not later than the first day of work and continuing for the entire duration of the project, a legible statement of all wages and fringe benefits to be paid to the employees."*

N. Employment Preference
Sections 18-2-403 and 18-2-409, MCA require contractors to give preference to the employment of bona fide Montana residents in the performance of work on public works contracts.

O. Welder Rates
Welders receive the rate prescribed for the craft performing an operation to which welding is incidental.

P. Foreman Rates
Rates are no longer set for foremen. However, if a foreman performs journey level work, the foreman must be paid at least the journey level rate.

WAGE RATES

BOILERMAKERS

Wage	Benefit
$30.00	$30.30

Duties Include: Bulk storage tanks and bolted steel tanks.

Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries.

Travel:
0-120 mi. free zone
>120 mi. federal mileage rate/mi. in effect when travel occurs.

Special Provision:
Travel is paid only at the beginning and end of the job.

Per Diem:
0-70 mi. free zone
>70-120 mi. $55.00/day
>120 mi. $70.00/day

BRICK, BLOCK, AND STONE MASONS

Wage	Benefit
$31.07	$13.40

Travel:
0-20 mi. free zone
>20-35 mi. $30.00/day
>35-55 mi. $35.00/day
>55 mi. $65.00/day

CARPENTERS

Wage	Benefit
$28.00	$11.86

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $4.00/hr.
>60 mi. base pay + $6.00/hr.

CEMENT MASONS AND CONCRETE FINISHERS

Wage	Benefit
$21.43	$9.41

Duties Include:
Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, or curbs. Align forms for sidewalks, curbs, or gutters.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $2.95/hr.
>60 mi. base pay + $4.75/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 1

Wage	Benefit
$24.58	$11.80

This group includes but is not limited to:
Air Compressor; Auto Fine Grader; Belt Finishing; Boring Machine (Small); Cement Silo; Crane, A-Frame Truck Crane; Crusher Conveyor; DW-10, 15, and 20 Tractor Roller; Farm Tractor; Forklift; Form Grader; Front-End Loader, under 1 cu. yd; Oiler, Heavy Duty Drills; Herman Nelson Heater; Mucking Machine; Oiler, All Except Cranes/Shovels; Pumpman.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 2

Wage	Benefit
$25.07	$11.80

This group includes but is not limited to:
Air Doctor; Backhoe\Excavator\Shovel, up to and incl. 3 cu. yds; Bit Grinder; Bitunimous Paving Travel Plant; Boring Machine, Large; Broom, Self-Propelled; Concrete Travel Batcher; Concrete Float & Spreader; Concrete Bucket Dispatcher; Concrete Finish Machine; Concrete Conveyor; Distributor; Dozer, Rubber-Tired, Push, & Side Boom; Elevating Grader\Gradall; Field Equipment Serviceman; Front-End Loader, 1 cu. yd up to and incl. 5 cu. yds; Grade Setter; Heavy Duty Drills, All Types; Hoist\Tugger, All; Hydralift Forklifts & Similar; Industrial Locomotive; Motor Patrol (except finish); Mountain Skidder; Oiler, Cranes\Shovels; Pavement Breaker, EMSCO; Power Saw, Self-Propelled; Pugmill; Pumpcrete\Grout Machine; Punch Truck; Roller, other than Asphalt; Roller, Sheepsfoot (Self-Propelled); Roller, 25 tons and over; Ross Carrier; Rotomill, under 6 ft; Trenching Machine; Washing /Screening Plant

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 3

Wage	Benefit
$26.90	$11.80

This group includes but is not limited to:
Asphalt Paving Machine; Asphalt Screed; Backhoe\Excavator\Shovel, over 3 cu. yds; Cableway Highline; Concrete Batch Plant; Concrete Curing Machine; Concrete Pump; Cranes, Creter; Cranes, Electric Overhead; Cranes, 24 tons and under; Curb Machine\Slip Form Paver; Finish Dozer; Front-End Loader, over 5 cu. yds; Mechanic\Welder; Pioneer Dozer; Roller Asphalt (Breakdown & Finish); Rotomill, over 6 ft; Scraper, Single, Twin, or Pulling Belly-Dump; YO-YO Cat.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 4

Wage	Benefit
$27.90	$11.80

This group includes but is not limited to:
Asphalt\Hot Plant Operator; Cranes, 25 tons up to and incl. 44 tons; Crusher Operator; Finish Motor Patrol; Finish Scraper.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 5

Wage	Benefit
$28.90	$11.80

This group includes but is not limited to:
Cranes, 45 tons up to and incl. 74 tons.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 6

Wage	Benefit
$29.90	$11.80

This group includes but is not limited to:
Cranes, 75 tons up to and incl. 149 tons; Cranes, Whirley (All).

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION EQUIPMENT OPERATORS GROUP 7

Wage	Benefit
$30.90	$11.80

This group includes but is not limited to:
Cranes, 150 tons up to and incl. 250 tons; Cranes, over 250 tons—add $1.00 for every 100 tons over 250 tons; Crane, Tower (All); Crane Stiff-Leg or Derrick; Helicopter Hoist.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION LABORERS GROUP 1/FLAG PERSON FOR TRAFFIC CONTROL

Wage	Benefit
$20.68	$8.04

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION LABORERS GROUP 2

Wage	Benefit
$24.07	$8.04

This group includes but is not limited to:
General Labor; Asbestos Removal; Burning Bar; Bucket Man; Carpenter Tender; Caisson Worker; Cement Mason Tender; Cement Handler (dry); Chuck Tender; Choker Setter; Concrete Worker; Curb Machine-lay Down; Crusher and Batch Worker; Heater Tender; Fence Erector; Landscape Laborer; Landscaper; Lawn Sprinkler Installer; Pipe Wrapper; Pot Tender; Powderman Tender; Rail and Truck Loaders and Unloaders; Riprapper; Sign Erection; Guardrail and Jersey Rail; Spike Driver; Stake Jumper; Signalman; Tail Hoseman; Tool Checker and Houseman and Traffic Control Worker.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION LABORERS GROUP 3

Wage	Benefit
$24.94	$8.04

This group includes but is not limited to:
Concrete Vibrator; Dumpman (Grademan); Equipment Handler; Geotextile and Liners; High-Pressure Nozzleman; Jackhammer (Pavement Breaker) Non-Riding Rollers; Pipelayer; Posthole Digger (Power); Power Driven Wheelbarrow; Rigger; Sandblaster; Sod Cutter-Power and Tamper.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

CONSTRUCTION LABORERS GROUP 4

Wage	Benefit
$25.60	$8.04

This group includes but is not limited to:
Hod Carrier*******; Water Well Laborer; Blaster; Wagon Driller; Asphalt Raker; Cutting Torch; Grade Setter; High-Scaler; Power Saws (Faller & Concrete) Powderman; Rock & Core Drill; Track or Truck Mounted Wagon Drill and Welder incl. Air Arc.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $3.50/hr.
>60 mi. base pay + $5.50/hr.

*******Hod Carriers will receive the same amount of travel and/or subsistence pay as bricklayers when requested to travel.

DIVER

	Wage	Benefit
Stand-By	$36.72	$14.00
Diving	$73.44	$14.00

Depth Pay (Surface Diving)

0-20 ft.	free zone
>20-100 ft.	$2.00 per ft.
>100-150 ft.	$3.00 per ft.
>150-220 ft.	$4.00 per ft.
>220 ft.	$5.00 per ft.

Diving In Enclosures

0-25 ft.	free zone
>25-300 ft.	$1.00 per ft.

Zone Pay:
0-30 mi. free zone
>30-50 mi. base pay + $4.00/hr.
>50 mi. base pay + $6.00/hr.

DIVER TENDER

Wage	Benefit
$35.02	$14.00

The tender shall receive 2 hours at the straight time pay rate per shift for dressing and/or undressing a Diver when work is done under hyperbaric conditions.

Zone Pay:
0-30 mi. free zone
>30-50 mi. base pay + $4.00/hr.
>50 mi. base pay + $6.00/hr.

ELECTRICIANS

Wage	Benefit
$31.39	$12.76

Travel:
0-18 mi. free zone
>18-60 mi. federal mileage rate/mi. in effect when travel occurs and employee uses own vehicle.
> 60 mi. $75.00/day.

HEATING AND AIR CONDITIONING

Wage	Benefit
$27.33	$15.39

Duties Include:
Testing and balancing, commissioning and retro-commissioning, of all air-handling equipment and duct work.

Travel:
0-70 mi. free zone
>70 mi.
- $90.00/day if transportation is provided.
- $90.00/day + $0.55/mi. for one trip, there and back if transportation is not provided.

INSULATION WORKERS - MECHANICAL (HEAT AND FROST)

Wage	Benefit
$32.92	$18.47

Duties Include:
Insulate pipes, ductwork or other mechanical systems.

Travel:
All Districts
0-30 mi. free zone
>30-40 mi. $20.00/day
>40-50 mi. $30.00/day
>50-60 mi. $40.00/day
>60 mi. $45.00/day plus
- $0.56/mi. if transportation is not provided.
- $0.20/mi. if in company vehicle.

>60 mi. $77.00/day on jobs requiring an overnight stay plus
- $0.56/mi. if transportation is not provided.
- $0.20/mi. if in company vehicle.

IRONWORKERS - STRUCTURAL STEEL AND REBAR PLACERS

Wage	Benefit
$26.90	$20.99

Duties Include:
Structural steel erection; assemble prefabricated metal buildings; cut, bend, tie, and place rebar; energy producing windmill type towers; metal bleacher seating; handrail fabrication and ornamental steel.

Travel:
0-45 mi. free zone
>45-60 mi. $30.00/day
>60-100 mi. $55.00/day
>100 mi. $75.00/day

LINE CONSTRUCTION – EQUIPMENT OPERATORS

Wage	Benefit
$31.82	$13.11

Duties Include:
All work on substations

Zone Pay:
0-25 mi. $40.00/day
>25 mi. $60.00/day

LINE CONSTRUCTION – GROUNDMAN

Wage	Benefit
$24.85	$12.38

Duties Include:
All work on substations

Zone Pay:
0-25 mi. $40.00/day
>25 mi. $60.00/day

LINE CONSTRUCTION – LINEMAN

Wage	Benefit
$41.54	$14.20

Duties Include:
All work on substations

Zone Pay:
0-25 mi. $40.00/day
>25 mi. $60.00/day

MILLWRIGHTS

Wage	Benefit
$31.00	$11.86

Zone Pay:
0-30 mi. free zone
>30-50 mi. base pay + $4.00/hr.
>50 mi. base pay + $6.00/hr.

PAINTERS

Wage	Benefit
$24.25	$16.24

Travel:
No free zone.
$0.60/mile.

Per Diem:
$80.00/day

PILE BUCKS

Wage	Benefit
$28.00	$11.86

Duties Include:
Set up crane; set up hammer; weld tips on piles; set leads; insure piles are driven straight with the use of level or plum bob. Give direction to crane operator as to speed, and direction of swing. Cut piles to grade.

Zone Pay:
0-30 mi. free zone
>30-50 mi. base pay + $4.00/hr.
>50 mi. base pay + $6.00/hr.

PLUMBERS, PIPEFITTERS, AND STEAMFITTERS

Wage	Benefit
$33.66	$16.01

Travel:
0-70 mi. free zone
>70 mi.
- $90.00/day if transportation is provided.
- $90.00/day + $0.55/mi. (for one trip, there and back) if transportation is not provided.

SHEET METAL WORKERS

Wage	Benefit
$27.33	$15.39

Duties Include:
Testing and balancing, commissioning and retro-commissioning of all air-handling equipment and duct work. Manufacture, fabrication, assembling, installation, dismantling, and alteration of all HVAC systems, air veyer systems, and exhaust systems. All lagging over insulation and all duct lining. Metal roofing.

Travel:
0-51 mi. free zone
>51 mi.
- $0.25/mi. in employer vehicle
- $0.65/mi. in employee vehicle

Per Diem:
$65.00/day

TEAMSTERS GROUP 1 (Pilot Car Drivers)

Wage	Benefit
$20.59	$9.16

Zone Pay:
0-25 mi. free zone
>25-50 mi. base pay + $2.95/hr.
>50 mi. base pay + $4.70/hr.

TEAMSTERS GROUP 2 (Truck Drivers)

Wage	Benefit
$27.69	$9.16

This group includes but is not limited to:
Combination Truck and Concrete Mixer and Transit Mixer; Dry Batch Trucks; Distributor Driver; Dumpman; Dump Trucks and similar equipment; Dumpster; Flat Trucks; Lumber Carriers; Lowboys; Pickup; Powder Truck Driver; Power Boom; Serviceman; Service Truck/Fuel Truck/Tireperson; Truck Mechanic; Trucks with Power Equipment; Warehouseman, Partsman, Cardex and Warehouse Expeditor; Water Trucks.

Zone Pay:
0-30 mi. free zone
>30-60 mi. base pay + $2.95/hr.
>60 mi. base pay + $4.70/hr.